

insecticidal protein CryET80 and CryET76, a binary insecticidal protein TIC100 and TIC101, and a binary insecticidal protein PS149B1, a VIP insecticidal protein, a TIC900 or related protein, a TIC901, a TIC1201, a TIC407, a TIC417, and an insecticidal chimera thereof.

**38.** The transgenic plant of claim **31**, wherein said first or second target pest is an agricultural pest selected from the group consisting of insects, mites, fungi, yeasts, molds, bacteria, nematodes, weeds, and parasitic and saprophytic plants.

**39.** The transgenic plant of claim **38**, wherein said agricultural pest is selected from the group consisting of an insect pest and a nematode pest.

**40.** The transgenic plant of claim **38**, wherein said agricultural pest is an insect pest selected from the group consisting of a Lepidopteran pest, a Coleopteran pest, a Hemipteran pest, and a Dipteran pest.

**41.** The transgenic plant of claim **40**, wherein said Coleopteran pest is selected from the group consisting of a *Diabrotica* species, a Colorado Potato Beetle (CPB, *Leptinotarsa decemlineata*), Cotton Ball Weevil (BWV, *Anthonomus grandis*), and a Red Flour Beetle (RFB, *Tribolium castaneum*).

**42.** The transgenic plant of claim **40**, wherein said Lepidopteran pest is selected from the group consisting of European Corn Borer (ECB, *Ostrinia nubilalis*), Black Cutworm (BCW, *Agrotis ipsilon*), Corn Earworm (CEW, *Helicoverpa zea*), Fall Armyworm (FAW, *Spodoptera frugiperda*), and silkworms (*Bombyx mori*), *Manduca sexta*.

**43.** The transgenic plant of claim **40**, wherein said Hemipteran pest is a *lygus* bug.

**44.** The transgenic plant of claim **41**, wherein said *Diabrotica* species is selected from the group consisting of *Diabrotica virgifera*, *Diabrotica barberi*, and *Diabrotica undecimpunctata*.

**45.** The transgenic plant of claim **31**, wherein said transgenic plant is provided in the diet of said first or second target pest in a pest inhibitory amount and inhibits the pest from feeding on said diet.

**46.** The transgenic plant of claim **31**, wherein said plant comprises increased resistance to said first or second target pest.

**47.** The transgenic plant of claim **31**, wherein said plant comprises increased yield.

**48.** The transgenic plant of claim **31**, wherein the essential gene comprises a sequence selected from the group consisting of SEQ ID NO:1 through SEQ ID NO: 143, and SEQ ID NO: 169 through SEQ ID NO: 174.

**49.** The transgenic plant of claim **31**, wherein the transgene encoding the dsRNA comprises a sequence selected from the group consisting of SEQ ID NO:1 through SEQ ID NO: 143, and SEQ ID NO: 169 through SEQ ID NO: 174 or a fragment thereof.

**50.** A commodity or commodity product produced from the transgenic plant of claim **31**, wherein said commodity or commodity product comprises a detectable amount of a transgene encoding said dsRNA or a detectable amount of the dsRNA.

**51.** A progeny plant or seed of the transgenic plant of claim **31**, wherein the progeny plant or seed comprises said transgenes.

**52.** The transgenic plant of claim **31**, further comprising a herbicide resistance gene conferring resistance to glyphosate.

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